

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) An ink-jet ink comprising (i) water and (ii) a polymer having a plurality of 1,2- and/or 1,3-diol groups along the polymer backbone and having pendant photo cross-linkable groups attached thereto.
2. (Original) An ink as claimed in claim 1, wherein the polymer is a polyvinyl alcohol.
3. (Previously Presented) An ink as claimed in claim 1, wherein the pendant photo cross-linkable groups are styryl pyridinium and/or acrylate groups.
4. (Previously Presented) An ink as claimed in claim 1, wherein the pendant cross-linkable group is present from 0.1 to 25% by weight based on the weight of the polymer.
5. (Previously Presented) An ink as claimed in claim 1, wherein the polymer is polyvinyl alcohol which is derived from polyvinyl acetate in which at least 70% of the acetate groups are hydrolysed.
6. (Currently Amended) An ink as claimed in claim 1, wherein the polymer as has a degree of polymerisation of 350 to 2500.
7. (Previously Presented) An ink as claimed in claim 1, wherein the polymer is present 0.5 to 60% by weight based on the total weight of the ink.
8. (Previously Presented) An ink as claimed in claim 1, wherein the water is present from 10 to 90% by weight based on the total weight of the ink.
9. (Previously Presented) An ink as claimed in claim 1, further comprising UV reactive monomers and/or oligomers.

10. (Previously Presented) An ink as claimed in claim 1, wherein the UV reactive monomers and/or oligomers are (meth)acrylates, epoxides or oxetanes.
11. (Previously Presented) An ink as claimed in claim 1, further comprising a photoinitiator.
12. (Previously Presented) An ink as claimed in claim 1, further comprising a colorant.
13. (Previously Presented) An ink as claimed in claim 1, having a viscosity of less than 50 mPas at 25° C.
14. (Currently Amended) A polyvinyl alcohol having pendant photo cross-linkable groups attached thereto, wherein the groups are styryl pyridinium and acrylate groups with the proviso that the groups are not derived from the combination of 4-(2-acryloyloxyethoxy)benzaldehyde and 4-(4-formylphenylethenyl)-1-methylpyridinium methosulfate or the combination of 4-(2-acryloyloxyethoxy)benzaldehyde and 1-(3-ethoxycarbonylpropyl)-4-[2-(4'-formylphenyl)ethenyl]pyridinium bromide.
15. (Previously Presented) A polyvinyl alcohol as claimed in claim 14, wherein the groups are derivable from an acryloyloxyalkyl formylbenzoate and a formylphenylethenyl pyridinium.
16. (Previously Presented) A polyvinyl alcohol as claimed in claim 15, wherein the groups are derivable from 2-acryloyloxyethyl 4-formylbenzoate and 4-(4-formylphenylethenyl)-1-methylpyridinium.
17. (Previously Presented) A method for printing on a substrate wherein an ink is applied to the substrate, the improvement which comprises the ink being the ink-jet ink of claim 1.

18. (Previously Presented) The method of claim 17 wherein the ink is applied by screen-printing, flexography or ink-jet printing.
19. (Previously Presented) A printed substrate produced by the method of claim 17.